

AMENDMENTS TO THE CLAIMS

The listing below of the claims will replace all prior versions and listings of claims in the present application:

Listing of Claims:

Claim 8 (currently amended): Apparatus for regulating the transmission ratio of a continuously variable transmission ~~, in particular for motor vehicles, to~~ take into account changes in transmission operation over time, including changes caused by wear of transmission parts, said apparatus comprising:

- a. sensors for detecting ~~operational~~ transmission operating parameters;
- b. an electronic control unit including a microprocessor and at least one memory in which operating parameters associated with reference transmission ratios are stored, wherein the electronic control unit further includes a preliminary control device in which a preliminary control value is determined as a function of at least one of the transmission operating parameters;
- c. a ~~regulator~~ comparator for comparing a measured transmission ratio of the transmission with a reference transmission ratio and for deriving therefrom ~~a control~~ an adjustment value;
- d. an adjusting device that receives the preliminary control value and the ~~regulation~~ adjustment value as ~~the~~ a set point value in order to adjust the transmission;
- e. wherein the preliminary control value is stored in the preliminary control device as a function of at least two transmission operating parameters and in that an adjustment system is provided which ~~changes~~ adjusts the preliminary control value so that the measured transmission ratio coincides with

the reference transmission ratio when the ~~control-variable~~ adjustment value is at least approximately zero.

Claim 9 (currently amended): Apparatus in accordance with claim 8, including a ~~monitor~~ diagnostic device for ~~generating~~ triggering predetermined monitoring functions based upon changes in the preliminary control value.

Claim 10 (currently amended): Apparatus in accordance with claim 9, wherein the ~~monitor~~ diagnostic device detects changes in the transmission ratio of the transmission as a function of changes in the ~~controlled-variable~~ set point value, and wherein ~~it~~ the diagnostic device triggers predetermined monitoring functions in relation to ~~changes in~~ said changes.